

# United Abacus Arithmetic Association Assessment Test

## I. Abacus:

Level	Section	Test Question Standard	# of Questions	Time Limit
Advanced Level	Multiplication & Division	Multiplication: 20 questions of 9 to 11-digit numbers, including whole, monetary, non-monetary, and mixed decimal numbers Division: 20 questions of 8 to 10-digit numbers, including whole monetary, non-monetary, and mixed decimal numbers	40	10 min
	Addition & Subtraction	20 questions of ten 6 to 10-digit monetary numbers, one of which (in the last five questions) result in negative value (Total digit count: 70~90)	20	10 min
Grade Level 1	Multiplication & Division	Multiplication: 10 questions of 8-digit whole, monetary, non-monetary, and mixed decimal numbers Division: 10 questions of 7-digit whole, monetary, non-monetary, and mixed decimal numbers	20	10 min
	Addition & Subtraction	Ten 5 to 7-digit monetary numbers (Total digit count: 60)	10	10 min
Grade Level 2	Multiplication & Division	Multiplication: 10 questions of 7-digit whole, monetary, non-monetary, and mixed decimal numbers Division: 10 questions of 6-digit whole, monetary, non-monetary, and mixed decimal numbers	20	10 min
	Addition & Subtraction	Ten 4 to 6-digit monetary numbers (Total digit count: 50)	10	10 min
Grade Level 3	Multiplication & Division	Multiplication: 10 questions of 7-digit whole numbers (4 digits $\times$ 3 digits, 3 digits $\times$ 4 digits) Division: 10 questions of 6-digit whole numbers (6 digits $\div$ 3 digits, 6 digits $\div$ 4 digits, 6 digits $\div$ 2 digits)	20	10 min
	Addition & Subtraction	Ten 3 to 5-digit monetary numbers (Total digit count: 40)	10	10 min
Grade Level 4	Multiplication & Division	Multiplication: 10 questions of 6-digit whole numbers (3 digits $\times$ 3 digits, 4 digits $\times$ 2 digits, 2 digits $\times$ 4 digits) Division: 10 questions of 4 to 5-digit whole numbers (4 digits $\div$ 2 digits, 5 digits $\div$ 3 digits, 5 digits $\div$ 2 digits)	20	10 min
	Addition & Subtraction	Ten 3 to 4-digit monetary numbers (Total digit count: 35)	10	10 min
Grade Level 5	Multiplication & Division	Multiplication: 10 questions of 4 to 5-digit whole numbers (2 digits $\times$ 2 digits, 3 digits $\times$ 2 digits, 2 digits $\times$ 3 digits) Division: 10 questions of 4-digit whole numbers (4 digits $\div$ 1 digit, 4 digits $\div$ 2 digits)	20	10 min
	Addition & Subtraction	Ten 3-digit whole numbers (Total digit count: 30)	10	10 min
Grade Level 6	Multiplication & Division	Multiplication: 10 questions of 4-digit whole numbers (3 digits $\times$ 1 digit, 2 digits $\times$ 2 digits) Division: 10 questions of 3 to 4-digit whole numbers (3 digits $\div$ 1 digit, 4 digits $\div$ 1 digit)	20	10 min
	Addition & Subtraction	Ten 2 to 3-digit whole numbers (Total digit count: 25)	10	10 min
Grade Level 7	Addition & Subtraction(1)	Ten 2-digit whole numbers (Total digit count: 20)	10	10 min
	Addition & Subtraction(2)	Ten 2-digit whole numbers (Total digit count: 20)	10	10 min



## II. Mental Arithmetic:

Level	Section	Test Question Standard	# of Questions	Time Limit
Advanced Level	Multiplication	60 questions of 5-digit whole numbers (3 digits $\times$ 2 digits, 2 digits $\times$ 3 digits)	160	5 min
		50 questions of 6-digit whole numbers (3 digits $\times$ 3 digits, 2 digits $\times$ 4 digits, 4 digits $\times$ 2 digits)		
		50 questions of 7-digit whole numbers (3 digits $\times$ 4 digits, 4 digits $\times$ 3 digits)		
	Division	60 questions of 5-digit whole numbers (5 digits $\div$ 2 digits, 5 digits $\div$ 3 digits)	160	5 min
		50 questions of 6-digit whole numbers (6 digits $\div$ 2 digits, 6 digits $\div$ 3 digits, 6 digits $\div$ 4 digits)		
		50 questions of 7-digit whole numbers (7 digits $\div$ 3 digits, 7 digits $\div$ 4 digits)		
Addition & Subtraction	20 questions of ten 3 to 6-digit monetary numbers (Total digit count: 50)	40	5 min	
	20 questions of fifteen 3 to 6-digit monetary numbers, one of which (in the last ten questions) result in negative value (Total digit count: 60)			
Grade Level 1	Multiplication	4 to 5-digit whole numbers (2 digits $\times$ 2 digits, 3 digits $\times$ 2 digits, 2 digits $\times$ 3 digits)	30	5 min
	Division	4 to 5-digit whole number (4 digits $\div$ 2 digits, 5 digits $\div$ 2 digits, 5 digits $\div$ 3 digits)	30	5 min
	Addition & Subtraction	Ten 2 to 4-digit whole numbers (Total digit count: 35)	15	5 min
Grade Level 2	Multiplication	4-digit whole numbers (2 digits $\times$ 2 digits)	30	5 min
	Division	3 to 4-digit whole number (3 digits $\div$ 2 digits, 4 digits $\div$ 2 digits)	30	5 min
	Addition & Subtraction	Ten 2-digit whole numbers (Total digit count: 20)	15	5 min
Grade Level 3	Multiplication	4-digit whole numbers (3 digits $\times$ 1 digit, 2 digits $\times$ 2 digits)	30	5 min
	Division	4-digit whole numbers (3 digits $\div$ 1 digit, 4 digits $\div$ 1 digit)	30	5 min
	Addition & Subtraction	Seven 2-digit whole numbers (Total digit count: 14)	15	5 min
Grade Level 4	Multiplication	4-digit whole numbers (3 digits $\times$ 1 digit)	30	5 min
	Division	3-digit whole numbers (2 digits $\div$ 1 digit, 3 digits $\div$ 1 digit)	30	5 min
	Addition & Subtraction	Six 2-digit whole numbers (Total digit count: 12)	15	5 min
Grade Level 5	Multiplication	3 to 4-digit whole numbers (2 digits $\times$ 1 digit, 3 digits $\times$ 1 digit) $\circ$	30	5 min
	Addition & Subtraction(1)	Five 2-digit whole numbers (Total digit count: 10)	15	5 min
	Addition & Subtraction(2)	Five 2-digit whole numbers (Total digit count: 10)	15	5 min



